

Title (en)
ELECTRIC MOTOR

Title (de)
ELEKTROMOTOR

Title (fr)
MOTEUR ÉLECTRIQUE

Publication
EP 4197095 A1 20230621 (EN)

Application
EP 21762968 A 20210811

Priority

- US 202063064429 P 20200812
- US 202163163995 P 20210322
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Abstract (en)
[origin: WO2022035940A1] An electric motor includes a rotor and a stator formed by a plurality of stator phases. The stator phases include coils that extend fully about the motor axis of the motor. The stator phases further includes flux rings disposed on opposite axial sides of the coil and that are joined by axial returns. The stator phases electromagnetically drive rotation of the rotor on the motor axis.

IPC 8 full level
H02K 21/12 (2006.01); **H02K 1/14** (2006.01); **H02K 3/52** (2006.01); **H02K 5/00** (2006.01); **H02K 5/08** (2006.01); **H02K 5/10** (2006.01); **H02K 5/173** (2006.01); **H02K 7/14** (2006.01)

CPC (source: EP US)
H02K 1/145 (2013.01 - EP US); **H02K 1/278** (2013.01 - US); **H02K 3/525** (2013.01 - EP); **H02K 5/00** (2013.01 - EP); **H02K 5/08** (2013.01 - EP); **H02K 5/10** (2013.01 - EP); **H02K 5/1732** (2013.01 - EP); **H02K 7/14** (2013.01 - EP); **H02K 21/125** (2013.01 - EP); **H02K 21/145** (2013.01 - US); **F04D 25/06** (2013.01 - US); **H02K 2201/12** (2013.01 - EP US); **H02K 2201/15** (2013.01 - EP)

Citation (search report)
See references of WO 2022035940A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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US 2021045502 W 20210811; CN 202180056596 A 20210811; EP 21762968 A 20210811; US 202118018145 A 20210811